

**Experiment Number:** 99020-04

**Test Type:** 90-DAY

**Route:** Gavage

**Species/Strain:** Mouse/B6C3F1

**P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**

**Test Compound:** Pulegone

**CAS Number:** 89-82-7

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 21:08:48

**First Dose M/F:** NA / NA

**Lab:** BAT

**C Number:** C99020  
**Lock Date:** 09/17/2002  
**Cage Range:** All  
**Date Range:** All  
**Reasons For Removal:** All  
**Removal Date Range:** All  
**Treatment Groups:** All  
**Study Gender:** Both  
**PWG Approval Date** NONE

Experiment Number: 99020-04

Test Type: 90-DAY

Route: Gavage

Species/Strain: Mouse/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: Pulegone

CAS Number: 89-82-7

Date Report Requested: 10/20/2014

Time Report Requested: 21:08:48

First Dose M/F: NA / NA

Lab: BAT

**B6C3F1 Mouse Male  
0 MG/KG**

DAY ON TEST										
	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	5	5	5	5	5	5	5	5	5	5
	1	2	3	4	5	6	7	8	9	0

\*TOTALS

**Alimentary System**

Esophagus	+	+	+	+	+	+	+	+	+	+	10
Gallbladder	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	10
Liver	+	+	+	+	+	+	+	+	+	+	10
Pancreas	+	+	+	+	+	+	+	+	+	+	10
Salivary Glands	+	+	+	+	+	+	+	+	+	+	10
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	10
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	10

**Cardiovascular System**

Blood Vessel	+	+	+	+	+	+	+	+	+	+	10
Heart	+	+	+	+	+	+	+	+	+	+	10

**Endocrine System**

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	10
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	10
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	10

\* ..Total animals with tissue examined microscopically; Total animals with tumor

M ..Missing tissue

+ ..Tissue examined microscopically

A ..Autolysis precludes evaluation

X ..Lesion present

BLANK ..Not examined microscopically

I ..Insufficient tissue

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**P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**  
**Test Compound:** Pulegone  
**CAS Number:** 89-82-7

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 21:08:48  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**B6C3F1 Mouse Male**  
**0 MG/KG**

DAY ON TEST										
	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	5	5	5	5	5	5	5	5	5	5
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	1
	1	2	3	4	5	6	7	8	9	0
	<b>*TOTALS</b>									
Parathyroid Gland	+	+	+	+	+	+	+	+	+	M
Pituitary Gland	+	+	+	+	+	+	+	+	+	+
Thyroid Gland	+	+	+	+	+	+	+	+	+	+
<b>General Body System</b>										
	NONE									
<b>Genital System</b>										
Epididymis	+	+	+	+	+	+	+	+	+	+
Preputial Gland	+	+	+	+	+	+	+	+	+	+
Prostate	+	+	+	+	+	+	+	+	+	+
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+
Testes	+	+	+	+	+	+	+	+	+	+
<b>Hematopoietic System</b>										
Bone Marrow	+	+	+	+	+	+	+	+	+	+
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+
Spleen	+	+	+	+	+	+	+	+	+	+
Thymus	+	+	+	+	+	+	+	+	+	+
<b>Integumentary System</b>										
Mammary Gland	M	M	M	M	M	M	M	M	+	M
Skin	+	+	+	+	+	+	+	+	+	+

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**Experiment Number:** 99020-04  
**Test Type:** 90-DAY  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

### P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

**Test Compound:** Pulegone  
**CAS Number:** 89-82-7

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 21:08:48  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**B6C3F1 Mouse Male**  
**0 MG/KG**

DAY ON TEST										
	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	1
	1	2	3	4	5	6	7	8	9	0

\*TOTALS

#### Musculoskeletal System

Bone + + + + + + + + + + 10

#### Nervous System

Brain + + + + + + + + + + 10

#### Respiratory System

Lung + + + + + + + + + + 10

Nose + + + + + + + + + + 10

Trachea + + + + + + + + + + 10

#### Special Senses System

Eye + + + + + + + + + + 10

Harderian Gland + + + + + + + + + + 10

#### Urinary System

Kidney + + + + + + + + + + 10

Urinary Bladder + + + + + + + + + + 10

#### SYSTEMIC LESIONS

Multiple Organ + + + + + + + + + + 10

\* ..Total animals with tissue examined microscopically; Total animals with tumor

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**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

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**Test Compound:** Pulegone  
**CAS Number:** 89-82-7

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 21:08:48  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**B6C3F1 Mouse Male**  
**9.375 MG/KG**

DAY ON TEST										
	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	5	5	5	5	5	5	5	5	5	5
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	2
	1	2	3	4	5	6	7	8	9	0

\*TOTALS

**Alimentary System**

Liver	+	+	+	+	+	+	+	+	+	+	10
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	10

**Cardiovascular System**

NONE

**Endocrine System**

NONE

**General Body System**

NONE

**Genital System**

NONE

**Hematopoietic System**

NONE

**Integumentary System**

NONE

**Musculoskeletal System**

NONE

**Nervous System**

\* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

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**Time Report Requested:** 21:08:48

**First Dose M/F:** NA / NA

**Lab:** BAT

**B6C3F1 Mouse Male  
9.375 MG/KG**

DAY ON TEST										
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	5	5	5	5	5	5	5	5	5	5
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	2
	1	2	3	4	5	6	7	8	9	0

\*TOTALS

Brain

+ + + + + + + + + + 10

**Respiratory System**

Lung

+ + M + + + + + + 9

**Special Senses System**

NONE

**Urinary System**

Kidney

+ + + + + + + + + + 10

**SYSTEMIC LESIONS**

Multiple Organ

+ + + + + + + + + + 10

\* ..Total animals with tissue examined microscopically; Total animals with tumor

M ..Missing tissue

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**Time Report Requested:** 21:08:48  
**First Dose M/F:** NA / NA  
**Lab:** BAT

| <b>B6C3F1 Mouse Male</b><br><b>18.75 MG/KG</b> | <b>DAY ON TEST</b> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|--|--------------------|---|---|---|---|---|---|---|---|---|
|  |                    | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <b>ANIMAL ID</b>                               |                    | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
|  |                    | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
|  |                    | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|  |                    | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|  |                    | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|  |                    | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 |
|  |                    | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|  |                    |   |   |   |   |   |   |   |   |   |

\*TOTALS

**Alimentary System**

|                    |   |   |   |   |   |   |   |   |   |   |    |
|--------------------|---|---|---|---|---|---|---|---|---|---|----|
| Liver              | + | + | + | + | + | + | + | + | + | + | 10 |
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | 10 |

**Cardiovascular System**

NONE

**Endocrine System**

NONE

**General Body System**

NONE

**Genital System**

NONE

**Hematopoietic System**

NONE

**Integumentary System**

NONE

**Musculoskeletal System**

NONE

**Nervous System**

\* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

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**Route:** Gavage

**Species/Strain:** Mouse/B6C3F1

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**Date Report Requested:** 10/20/2014

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**First Dose M/F:** NA / NA

**Lab:** BAT

**B6C3F1 Mouse Male  
18.75 MG/KG**

| DAY ON TEST |   |   |   |   |   |   |   |   |   |   |
|-------------|---|---|---|---|---|---|---|---|---|---|
|             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ANIMAL ID   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|             | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
|             | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
|             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|             | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 |
|             | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |

\*TOTALS

Brain

+ + + + + + + + + + 10

**Respiratory System**

Lung

+ + + + + + + + + + 10

**Special Senses System**

NONE

**Urinary System**

Kidney

+ + + + + + + + + + 10

**SYSTEMIC LESIONS**

Multiple Organ

+ + + + + + + + + + 10

\* ..Total animals with tissue examined microscopically; Total animals with tumor

M ..Missing tissue

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A ..Autolysis precludes evaluation

X ..Lesion present

BLANK ..Not examined microscopically

I ..Insufficient tissue

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**Test Type:** 90-DAY  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**  
**Test Compound:** Pulegone  
**CAS Number:** 89-82-7

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 21:08:48  
**First Dose M/F:** NA / NA  
**Lab:** BAT

| B6C3F1 Mouse Male<br>37.5 MG/KG | DAY ON TEST | 0              | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|---------------------------------|-------------|----------------|---|---|---|---|---|---|---|---|
|                                 | ANIMAL ID   | 0              | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|                                 |             | 9              | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
|                                 |             | 5              | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
|                                 |             | 0              | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|                                 |             | 0              | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|                                 |             | 0              | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|                                 |             | 3              | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 |
|                                 |             | 1              | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|                                 |             | <b>*TOTALS</b> |   |   |   |   |   |   |   |   |

**Alimentary System**

|                    |   |   |   |   |   |   |   |   |   |   |    |
|--------------------|---|---|---|---|---|---|---|---|---|---|----|
| Liver              | + | + | + | + | + | + | + | + | + | + | 10 |
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | 10 |

**Cardiovascular System**

NONE

**Endocrine System**

NONE

**General Body System**

NONE

**Genital System**

NONE

**Hematopoietic System**

NONE

**Integumentary System**

NONE

**Musculoskeletal System**

NONE

**Nervous System**

\* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 99020-04

Test Type: 90-DAY

Route: Gavage

Species/Strain: Mouse/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: Pulegone

CAS Number: 89-82-7

Date Report Requested: 10/20/2014

Time Report Requested: 21:08:48

First Dose M/F: NA / NA

Lab: BAT

**B6C3F1 Mouse Male  
37.5 MG/KG**

| DAY ON TEST |   |   |   |   |   |   |   |   |   |   |
|-------------|---|---|---|---|---|---|---|---|---|---|
|             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ANIMAL ID   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|             | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
|             | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
|             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|             | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 |
|             | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |

\*TOTALS

Brain

+ + + + + + + + + + 10

Respiratory System

Lung

+ + + + + + + + + + 10

Special Senses System

NONE

Urinary System

Kidney

+ + + + + + + + + + 10

SYSTEMIC LESIONS

Multiple Organ

+ + + + + + + + + + 10

\* ..Total animals with tissue examined microscopically; Total animals with tumor

M ..Missing tissue

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**Time Report Requested:** 21:08:48

**First Dose M/F:** NA / NA

**Lab:** BAT

**B6C3F1 Mouse Male  
75 MG/KG**

| DAY ON TEST |   |   |   |   |   |   |   |   |   |   |
|-------------|---|---|---|---|---|---|---|---|---|---|
|             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ANIMAL ID   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|             | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
|             | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
|             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|             | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 |
|             | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |

\*TOTALS

**Alimentary System**

|                    |   |   |   |   |   |   |   |   |   |   |    |
|--------------------|---|---|---|---|---|---|---|---|---|---|----|
| Liver              | + | + | + | + | + | + | + | + | + | + | 10 |
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | 10 |

**Cardiovascular System**

NONE

**Endocrine System**

NONE

**General Body System**

NONE

**Genital System**

NONE

**Hematopoietic System**

NONE

**Integumentary System**

NONE

**Musculoskeletal System**

NONE

**Nervous System**

\* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

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**Species/Strain:** Mouse/B6C3F1

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**CAS Number:** 89-82-7

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 21:08:48  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**B6C3F1 Mouse Male**  
**75 MG/KG**

| DAY ON TEST |   |   |   |   |   |   |   |   |   |   |
|-------------|---|---|---|---|---|---|---|---|---|---|
|             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ANIMAL ID   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|             | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
|             | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
|             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|             | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 |
|             | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |

\*TOTALS

|                              |   |   |   |   |   |   |   |   |   |   |    |
|------------------------------|---|---|---|---|---|---|---|---|---|---|----|
| Brain                        | + | + | + | + | + | + | + | + | + | + | 10 |
| <b>Respiratory System</b>    |   |   |   |   |   |   |   |   |   |   |    |
| Lung                         | + | + | + | + | + | + | + | + | + | + | 10 |
| <b>Special Senses System</b> |   |   |   |   |   |   |   |   |   |   |    |
| NONE                         |   |   |   |   |   |   |   |   |   |   |    |
| <b>Urinary System</b>        |   |   |   |   |   |   |   |   |   |   |    |
| Kidney                       | + | + | + | + | + | + | + | + | + | + | 10 |
| <b>SYSTEMIC LESIONS</b>      |   |   |   |   |   |   |   |   |   |   |    |
| Multiple Organ               | + | + | + | + | + | + | + | + | + | + | 10 |

\* ..Total animals with tissue examined microscopically; Total animals with tumor

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Route: Gavage

Species/Strain: Mouse/B6C3F1

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Test Compound: Pulegone

CAS Number: 89-82-7

Date Report Requested: 10/20/2014

Time Report Requested: 21:08:48

First Dose M/F: NA / NA

Lab: BAT

B6C3F1 Mouse Male  
150 MG/KG

| DAY ON TEST |   |   |   |   |   |   |   |   |   |   |
|-------------|---|---|---|---|---|---|---|---|---|---|
|             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ANIMAL ID   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|             | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
|             | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
|             | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |

\*TOTALS

Alimentary System

|                           |   |   |   |   |   |   |   |   |   |   |    |
|---------------------------|---|---|---|---|---|---|---|---|---|---|----|
| Esophagus                 | + | + | + | + | + | + | + | + | + | + | 10 |
| Gallbladder               | + | + | + | + | + | + | + | + | + | + | 10 |
| Intestine Large, Cecum    | + | + | + | + | + | + | + | + | + | + | 10 |
| Intestine Large, Colon    | + | + | + | + | + | + | + | + | + | + | 10 |
| Intestine Large, Rectum   | + | + | + | + | + | + | + | + | + | + | 10 |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | 10 |
| Intestine Small, Ileum    | + | + | + | + | + | + | + | + | + | + | 10 |
| Intestine Small, Jejunum  | + | + | + | + | + | + | + | + | + | + | 10 |
| Liver                     | + | + | + | + | + | + | + | + | + | + | 10 |
| Pancreas                  | + | + | + | + | + | + | + | + | + | + | 10 |
| Salivary Glands           | + | + | + | + | + | + | + | + | + | + | 10 |
| Stomach, Forestomach      | + | + | + | + | + | + | + | + | + | + | 10 |
| Stomach, Glandular        | + | + | + | + | + | + | + | + | + | + | 10 |

Cardiovascular System

|              |   |   |   |   |   |   |   |   |   |   |    |
|--------------|---|---|---|---|---|---|---|---|---|---|----|
| Blood Vessel | + | + | + | + | + | + | + | + | + | + | 10 |
| Heart        | + | + | + | + | + | + | + | + | + | + | 10 |

Endocrine System

|                    |   |   |   |   |   |   |   |   |   |   |    |
|--------------------|---|---|---|---|---|---|---|---|---|---|----|
| Adrenal Cortex     | + | + | + | + | + | + | + | + | + | + | 10 |
| Adrenal Medulla    | + | + | + | + | + | + | + | + | + | + | 10 |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | 10 |

\* ..Total animals with tissue examined microscopically; Total animals with tumor

M ..Missing tissue

+ ..Tissue examined microscopically

A ..Autolysis precludes evaluation

X ..Lesion present

BLANK ..Not examined microscopically

I ..Insufficient tissue

**Experiment Number:** 99020-04  
**Test Type:** 90-DAY  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**  
**Test Compound:** Pulegone  
**CAS Number:** 89-82-7

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 21:08:49  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**B6C3F1 Mouse Male**  
**150 MG/KG**

| DAY ON TEST |   |   |   |   |   |   |   |   |   |   |
|-------------|---|---|---|---|---|---|---|---|---|---|
|             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ANIMAL ID   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|             | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
|             | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |

\*TOTALS

|                   |   |   |   |   |   |   |   |   |   |   |    |
|-------------------|---|---|---|---|---|---|---|---|---|---|----|
| Parathyroid Gland | + | + | + | + | + | + | + | + | M | + | 9  |
| Pituitary Gland   | + | + | + | + | + | + | + | + | + | + | 10 |
| Thyroid Gland     | + | + | + | + | + | + | + | + | + | + | 10 |

**General Body System**

NONE

**Genital System**

|                 |   |   |   |   |   |   |   |   |   |   |    |
|-----------------|---|---|---|---|---|---|---|---|---|---|----|
| Epididymis      | + | + | + | + | + | + | + | + | + | + | 10 |
| Preputial Gland | + | + | + | + | + | + | + | + | + | + | 10 |
| Prostate        | + | + | + | + | + | + | + | + | + | + | 10 |
| Seminal Vesicle | + | + | + | + | + | + | + | + | + | + | 10 |
| Testes          | + | + | + | + | + | + | + | + | + | + | 10 |

**Hematopoietic System**

|                        |   |   |   |   |   |   |   |   |   |   |    |
|------------------------|---|---|---|---|---|---|---|---|---|---|----|
| Bone Marrow            | + | + | + | + | + | + | + | + | + | + | 10 |
| Lymph Node, Mandibular | + | + | + | + | + | + | M | + | + | + | 9  |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | + | + | 10 |
| Spleen                 | + | + | + | + | + | + | + | + | + | + | 10 |
| Thymus                 | + | + | + | + | + | + | + | + | + | + | 10 |

**Integumentary System**

|               |   |   |   |   |   |   |   |   |   |   |    |
|---------------|---|---|---|---|---|---|---|---|---|---|----|
| Mammary Gland | + | + | M | + | M | M | + | M | M | M | 4  |
| Skin          | + | + | + | + | + | + | + | + | + | + | 10 |

\* ..Total animals with tissue examined microscopically; Total animals with tumor

M ..Missing tissue

+ ..Tissue examined microscopically

A ..Autolysis precludes evaluation

X ..Lesion present

BLANK ..Not examined microscopically

I ..Insufficient tissue

Experiment Number: 99020-04

Test Type: 90-DAY

Route: Gavage

Species/Strain: Mouse/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: Pulegone

CAS Number: 89-82-7

Date Report Requested: 10/20/2014

Time Report Requested: 21:08:49

First Dose M/F: NA / NA

Lab: BAT

B6C3F1 Mouse Male  
150 MG/KG

| DAY ON TEST |   |   |   |   |   |   |   |   |   |   |
|-------------|---|---|---|---|---|---|---|---|---|---|
|             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ANIMAL ID   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|             | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
|             | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
|             | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |

\*TOTALS

Musculoskeletal System

Bone + + + + + + + + + + 10

Nervous System

Brain + + + + + + + + + + 10

Respiratory System

Lung + + + + + + + + + + 10

Nose + + + + + + + + + + 10

Trachea + + + + + + + + + + 10

Special Senses System

Eye + + + + + + + + + + 10

Harderian Gland + + + + + + + + + + 10

Urinary System

Kidney + + + + + + + + + + 10

Urinary Bladder + + + + + + + + + + 10

SYSTEMIC LESIONS

Multiple Organ + + + + + + + + + + 10

\*\*\*END OF MALE DATA\*\*\*

\* ..Total animals with tissue examined microscopically; Total animals with tumor

M ..Missing tissue

+ ..Tissue examined microscopically

A ..Autolysis precludes evaluation

X ..Lesion present

BLANK ..Not examined microscopically

I ..Insufficient tissue

Experiment Number: 99020-04

Test Type: 90-DAY

Route: Gavage

Species/Strain: Mouse/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: Pulegone

CAS Number: 89-82-7

Date Report Requested: 10/20/2014

Time Report Requested: 21:08:49

First Dose M/F: NA / NA

Lab: BAT

| B6C3F1 Mouse Female<br>0 MG/KG | DAY ON TEST |   |   |   |   |   |   |   |   |   |         |
|--------------------------------|-------------|---|---|---|---|---|---|---|---|---|---------|
|                                |             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0       |
|                                |             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0       |
|                                |             | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9       |
|                                |             | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5       |
| ANIMAL ID                      | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0       |
|                                | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0       |
|                                | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0       |
|                                | 6           | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7       |
|                                | 1           | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | *TOTALS |

Alimentary System

|                           |   |   |   |   |   |   |   |   |   |   |    |
|---------------------------|---|---|---|---|---|---|---|---|---|---|----|
| Esophagus                 | + | + | + | + | + | + | + | + | + | + | 10 |
| Gallbladder               | + | + | + | + | + | + | + | + | + | + | 10 |
| Intestine Large, Cecum    | + | + | + | + | + | + | + | + | + | + | 10 |
| Intestine Large, Colon    | + | + | + | + | + | + | + | + | + | + | 10 |
| Intestine Large, Rectum   | + | + | + | + | + | + | + | + | + | + | 10 |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | 10 |
| Intestine Small, Ileum    | + | + | + | + | + | + | + | + | + | + | 10 |
| Intestine Small, Jejunum  | + | + | + | + | + | + | + | + | + | + | 10 |
| Liver                     | + | + | + | + | + | + | + | + | + | + | 10 |
| Pancreas                  | + | + | + | + | + | + | + | + | + | + | 10 |
| Salivary Glands           | + | + | + | + | + | + | + | + | + | + | 10 |
| Stomach, Forestomach      | + | + | + | + | + | + | + | + | + | + | 10 |
| Stomach, Glandular        | + | + | + | + | + | + | + | + | + | + | 10 |

Cardiovascular System

|              |   |   |   |   |   |   |   |   |   |   |    |
|--------------|---|---|---|---|---|---|---|---|---|---|----|
| Blood Vessel | + | + | + | + | + | + | + | + | + | + | 10 |
| Heart        | + | + | + | + | + | + | + | + | + | + | 10 |

Endocrine System

|                    |   |   |   |   |   |   |   |   |   |   |    |
|--------------------|---|---|---|---|---|---|---|---|---|---|----|
| Adrenal Cortex     | + | + | + | + | + | + | + | + | + | + | 10 |
| Adrenal Medulla    | + | + | + | + | + | + | + | + | + | + | 10 |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | 10 |

\* ..Total animals with tissue examined microscopically; Total animals with tumor

M ..Missing tissue

+ ..Tissue examined microscopically

A ..Autolysis precludes evaluation

X ..Lesion present

BLANK ..Not examined microscopically

I ..Insufficient tissue

**Experiment Number:** 99020-04  
**Test Type:** 90-DAY  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**  
**Test Compound:** Pulegone  
**CAS Number:** 89-82-7

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 21:08:49  
**First Dose M/F:** NA / NA  
**Lab:** BAT

| <b>B6C3F1 Mouse Female</b><br><b>0 MG/KG</b> | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0  |
|--|-------------|---|---|---|---|---|---|---|---|----|
|  | ANIMAL ID   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0  |
|  | 5           | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5  |
|  | 1           | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0  |
|  | *TOTALS     |   |   |   |   |   |   |   |   |    |
| Parathyroid Gland                            | +           | + | + | + | + | + | + | + | + | 10 |
| Pituitary Gland                              | +           | + | + | + | + | + | + | + | + | 10 |
| Thyroid Gland                                | +           | + | + | + | + | + | + | + | + | 10 |
| <b>General Body System</b>                   |             |   |   |   |   |   |   |   |   |    |
| NONE   |             |   |   |   |   |   |   |   |   |    |
| <b>Genital System</b>                        |             |   |   |   |   |   |   |   |   |    |
| Clitoral Gland                               | +           | + | + | + | + | + | + | + | + | 10 |
| Ovary  | +           | + | + | + | + | + | + | + | + | 10 |
| Uterus                                       | +           | + | + | + | + | + | + | + | + | 10 |
| <b>Hematopoietic System</b>                  |             |   |   |   |   |   |   |   |   |    |
| Bone Marrow                                  | +           | + | + | + | + | + | + | + | + | 10 |
| Lymph Node, Mandibular                       | +           | + | + | + | + | + | + | + | + | 10 |
| Lymph Node, Mesenteric                       | +           | + | + | + | + | + | + | + | + | 10 |
| Spleen                                       | +           | + | + | + | + | + | + | + | + | 10 |
| Thymus                                       | +           | + | + | + | + | + | + | + | + | 10 |
| <b>Integumentary System</b>                  |             |   |   |   |   |   |   |   |   |    |
| Mammary Gland                                | +           | + | + | + | + | + | + | + | + | 10 |
| Skin   | +           | + | + | + | + | + | + | + | + | 10 |
| <b>Musculoskeletal System</b>                |             |   |   |   |   |   |   |   |   |    |
| Bone   | +           | + | + | + | + | + | + | + | + | 10 |

\* ..Total animals with tissue examined microscopically; Total animals with tumor

M ..Missing tissue

+ ..Tissue examined microscopically

A ..Autolysis precludes evaluation

X ..Lesion present

BLANK ..Not examined microscopically

I ..Insufficient tissue

**Experiment Number:** 99020-04

**Test Type:** 90-DAY

**Route:** Gavage

**Species/Strain:** Mouse/B6C3F1

**P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**

**Test Compound:** Pulegone

**CAS Number:** 89-82-7

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 21:08:49

**First Dose M/F:** NA / NA

**Lab:** BAT

| <b>B6C3F1 Mouse Female<br/>0 MG/KG</b> | <b>DAY ON TEST</b> | 0              | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
|--|--------------------|----------------|---|---|---|---|---|---|---|---|--|
|  |                    | 0              | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
|  |                    | 9              | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |  |
|  |                    | 5              | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |  |
|  | <b>ANIMAL ID</b>   | 0              | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
|  |                    | 0              | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
|  |                    | 0              | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
|  |                    | 6              | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 |  |
|  |                    | 1              | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |  |
|  |                    | <b>*TOTALS</b> |   |   |   |   |   |   |   |   |  |

**Nervous System**

Brain + + + + + + + + + + 10

**Respiratory System**

Lung + + + + + + + + + + 10

Nose + + + + + + + + + + 10

Trachea + + + + + + + + + + 10

**Special Senses System**

Eye + + + + + + + + + + 10

Harderian Gland + + + + + + + + + + 10

**Urinary System**

Kidney + + + + + + + + + + 10

Urinary Bladder + + + + + + + + + + 10

**SYSTEMIC LESIONS**

Multiple Organ + + + + + + + + + + 10

\* ..Total animals with tissue examined microscopically; Total animals with tumor

M ..Missing tissue

+ ..Tissue examined microscopically

A ..Autolysis precludes evaluation

X ..Lesion present

BLANK ..Not examined microscopically

I ..Insufficient tissue

**Experiment Number:** 99020-04

**Test Type:** 90-DAY

**Route:** Gavage

**Species/Strain:** Mouse/B6C3F1

**P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**

**Test Compound:** Pulegone

**CAS Number:** 89-82-7

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 21:08:49

**First Dose M/F:** NA / NA

**Lab:** BAT

| B6C3F1 Mouse Female<br>9.375 MG/KG | DAY ON TEST | 0              | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|------------------------------------|-------------|----------------|---|---|---|---|---|---|---|---|
|                                    | ANIMAL ID   | 0              | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|                                    |             | 9              | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
|                                    |             | 5              | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
|                                    |             | 0              | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|                                    |             | 0              | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|                                    |             | 0              | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|                                    |             | 7              | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 8 |
|                                    |             | 1              | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|                                    |             | <b>*TOTALS</b> |   |   |   |   |   |   |   |   |

**Alimentary System**

|                    |   |   |   |   |   |   |   |   |   |   |    |
|--------------------|---|---|---|---|---|---|---|---|---|---|----|
| Liver              | + | + | + | + | + | + | + | + | + | + | 10 |
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | 10 |

**Cardiovascular System**

NONE

**Endocrine System**

NONE

**General Body System**

NONE

**Genital System**

NONE

**Hematopoietic System**

NONE

**Integumentary System**

NONE

**Musculoskeletal System**

NONE

**Nervous System**

\* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 99020-04

Test Type: 90-DAY

Route: Gavage

Species/Strain: Mouse/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: Pulegone

CAS Number: 89-82-7

Date Report Requested: 10/20/2014

Time Report Requested: 21:08:49

First Dose M/F: NA / NA

Lab: BAT

B6C3F1 Mouse Female  
9.375 MG/KG

| DAY ON TEST |   |   |   |   |   |   |   |   |   |   |
|-------------|---|---|---|---|---|---|---|---|---|---|
|             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|             | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
|             | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |

ANIMAL ID

| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 8 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |   |

\*TOTALS

Brain

+ + + + + + + + + + 10

Respiratory System

Lung

+ + + + + + + + + + 10

Special Senses System

NONE

Urinary System

Kidney

+ + + + + + + + + + 10

SYSTEMIC LESIONS

Multiple Organ

+ + + + + + + + + + 10

\* ..Total animals with tissue examined microscopically; Total animals with tumor

M ..Missing tissue

+ ..Tissue examined microscopically

A ..Autolysis precludes evaluation

X ..Lesion present

BLANK ..Not examined microscopically

I ..Insufficient tissue

**Experiment Number:** 99020-04

**Test Type:** 90-DAY

**Route:** Gavage

**Species/Strain:** Mouse/B6C3F1

**P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**

**Test Compound:** Pulegone

**CAS Number:** 89-82-7

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 21:08:49

**First Dose M/F:** NA / NA

**Lab:** BAT

| B6C3F1 Mouse Female<br>18.75 MG/KG | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0       |
|------------------------------------|-------------|---|---|---|---|---|---|---|---|---------|
|                                    | ANIMAL ID   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0       |
|                                    |             | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9       |
|                                    |             | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5       |
|                                    |             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0       |
|                                    |             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0       |
|                                    |             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0       |
|                                    |             | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9       |
|                                    |             | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9       |
|                                    |             |   |   |   |   |   |   |   |   | *TOTALS |

**Alimentary System**

|                    |   |   |   |   |   |   |   |   |   |   |    |
|--------------------|---|---|---|---|---|---|---|---|---|---|----|
| Liver              | + | + | + | + | + | + | + | + | + | + | 10 |
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | 10 |

**Cardiovascular System**

NONE

**Endocrine System**

NONE

**General Body System**

NONE

**Genital System**

NONE

**Hematopoietic System**

NONE

**Integumentary System**

NONE

**Musculoskeletal System**

NONE

**Nervous System**

\* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 99020-04

Test Type: 90-DAY

Route: Gavage

Species/Strain: Mouse/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: Pulegone

CAS Number: 89-82-7

Date Report Requested: 10/20/2014

Time Report Requested: 21:08:49

First Dose M/F: NA / NA

Lab: BAT

B6C3F1 Mouse Female  
18.75 MG/KG

| DAY ON TEST |   |   |   |   |   |   |   |   |   |   |
|-------------|---|---|---|---|---|---|---|---|---|---|
|             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ANIMAL ID   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|             | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
|             | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
|             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|             | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 |
|             | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |

\*TOTALS

Brain

+ + + + + + + + + + 10

Respiratory System

Lung

+ + + + + + + + + + 10

Special Senses System

NONE

Urinary System

Kidney

+ + + + + + + + + + 10

SYSTEMIC LESIONS

Multiple Organ

+ + + + + + + + + + 10

\* ..Total animals with tissue examined microscopically; Total animals with tumor

M ..Missing tissue

+ ..Tissue examined microscopically

A ..Autolysis precludes evaluation

X ..Lesion present

BLANK ..Not examined microscopically

I ..Insufficient tissue

**Experiment Number:** 99020-04  
**Test Type:** 90-DAY  
**Route:** Gavage  
**Species/Strain:** Mouse/B6C3F1

**P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**

**Test Compound:** Pulegone  
**CAS Number:** 89-82-7

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 21:08:49  
**First Dose M/F:** NA / NA  
**Lab:** BAT

| B6C3F1 Mouse Female<br>37.5 MG/KG | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|-----------------------------------|-------------|---|---|---|---|---|---|---|---|---|
|                                   | ANIMAL ID   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|                                   |             | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
|                                   |             | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
|                                   |             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|                                   |             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|                                   |             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
|                                   |             | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 |
|                                   |             | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |

\*TOTALS

**Alimentary System**

|                    |   |   |   |   |   |   |   |   |   |   |    |
|--------------------|---|---|---|---|---|---|---|---|---|---|----|
| Liver              | + | + | + | + | + | + | + | + | + | + | 10 |
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | 10 |

**Cardiovascular System**

NONE

**Endocrine System**

NONE

**General Body System**

NONE

**Genital System**

NONE

**Hematopoietic System**

NONE

**Integumentary System**

NONE

**Musculoskeletal System**

NONE

**Nervous System**

\* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 99020-04

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Route: Gavage

Species/Strain: Mouse/B6C3F1

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Test Compound: Pulegone

CAS Number: 89-82-7

Date Report Requested: 10/20/2014

Time Report Requested: 21:08:49

First Dose M/F: NA / NA

Lab: BAT

B6C3F1 Mouse Female  
37.5 MG/KG

| DAY ON TEST |   |   |   |   |   |   |   |   |   |   |
|-------------|---|---|---|---|---|---|---|---|---|---|
|             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|             | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
|             | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |

| ANIMAL ID |   |   |   |   |   |   |   |   |   |   |
|-----------|---|---|---|---|---|---|---|---|---|---|
|           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
|           | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 |
|           | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |

\*TOTALS

Brain + + + + + + + + + + 10

Respiratory System

Lung + + + + + + + + + + 10

Special Senses System

NONE

Urinary System

Kidney + + + + + + + + + + 10

SYSTEMIC LESIONS

Multiple Organ + + + + + + + + + + 10

\* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

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Test Compound: Pulegone

CAS Number: 89-82-7

Date Report Requested: 10/20/2014

Time Report Requested: 21:08:49

First Dose M/F: NA / NA

Lab: BAT

|  |  | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|--|--|-------------|---|---|---|---|---|---|---|---|
|  |  | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|  |  | 9           | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
|  |  | 5           | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
|  |  | ANIMAL ID   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|  |  | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|  |  | 1           | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
|  |  | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
|  |  | 1           | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|  |  | *TOTALS     |   |   |   |   |   |   |   |   |

Alimentary System

|                    |   |   |   |   |   |   |   |   |   |   |    |
|--------------------|---|---|---|---|---|---|---|---|---|---|----|
| Liver              | + | + | + | + | + | + | + | + | + | + | 10 |
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | 10 |

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

\* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

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BLANK ..Not examined microscopically

Experiment Number: 99020-04

Test Type: 90-DAY

Route: Gavage

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P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: Pulegone

CAS Number: 89-82-7

Date Report Requested: 10/20/2014

Time Report Requested: 21:08:49

First Dose M/F: NA / NA

Lab: BAT

| B6C3F1 Mouse Female<br>75 MG/KG | DAY ON TEST | 0 0 0 0 0 0 0 0 0 0 |                     |                     |                     |                     |                     |         |  |  |    |
|---------------------------------|-------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------|--|--|----|
|                                 |             | 0 0 0 0 0 0 0 0 0 0 |                     |                     |                     |                     |                     |         |  |  |    |
| B6C3F1 Mouse Female<br>75 MG/KG | ANIMAL ID   | 9 9 9 9 9 9 9 9 9 9 |                     |                     |                     |                     |                     |         |  |  |    |
|                                 |             | 5 5 5 5 5 5 5 5 5 5 | 0 0 0 0 0 0 0 0 0 0 | 0 0 0 0 0 0 0 0 0 0 | 1 1 1 1 1 1 1 1 1 1 | 0 0 0 0 0 0 0 0 0 0 | 1 2 3 4 5 6 7 8 9 0 | *TOTALS |  |  |    |
| Brain                           |             | + + + + + + + + + + |                     |                     |                     |                     |                     |         |  |  | 10 |
| Respiratory System              |             | + + + + + + + + + + |                     |                     |                     |                     |                     |         |  |  | 10 |
| Lung                            |             | + + + + + + + + + + |                     |                     |                     |                     |                     |         |  |  | 10 |
| Special Senses System           |             | NONE                |                     |                     |                     |                     |                     |         |  |  |    |
| Urinary System                  |             | Kidney              | + + + + + + + + + + |                     |                     |                     |                     |         |  |  | 10 |
| SYSTEMIC LESIONS                |             | Multiple Organ      | + + + + + + + + + + |                     |                     |                     |                     |         |  |  | 10 |

\* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

**Experiment Number:** 99020-04

**Test Type:** 90-DAY

**Route:** Gavage

**Species/Strain:** Mouse/B6C3F1

**P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**

**Test Compound:** Pulegone

**CAS Number:** 89-82-7

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 21:08:49

**First Dose M/F:** NA / NA

**Lab:** BAT

| <b>B6C3F1 Mouse Female</b><br><b>150 MG/KG</b> | DAY ON TEST | 0              | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
|--|-------------|----------------|---|---|---|---|---|---|---|---|--|
|  |             | 0              | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
|  |             | 9              | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |  |
|  |             | 5              | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |  |
| ANIMAL ID                                      |             | 0              | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
|  |             | 0              | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
|  |             | 1              | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |  |
|  |             | 1              | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 |  |
|  |             | 1              | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |  |
|  |             | <b>*TOTALS</b> |   |   |   |   |   |   |   |   |  |

**Alimentary System**

|                           |   |   |   |   |   |   |   |   |   |   |    |
|---------------------------|---|---|---|---|---|---|---|---|---|---|----|
| Esophagus                 | + | + | + | + | + | + | + | + | + | + | 10 |
| Gallbladder               | + | + | + | + | + | + | + | + | + | + | 10 |
| Intestine Large, Cecum    | + | + | + | + | + | + | + | + | + | + | 10 |
| Intestine Large, Colon    | + | + | + | + | + | + | + | + | + | + | 10 |
| Intestine Large, Rectum   | + | + | + | + | + | + | + | + | + | + | 10 |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | 10 |
| Intestine Small, Ileum    | + | + | + | + | + | + | + | + | + | + | 10 |
| Intestine Small, Jejunum  | + | + | + | + | + | + | + | + | + | + | 10 |
| Liver                     | + | + | + | + | + | + | + | + | + | + | 10 |
| Pancreas                  | + | + | + | + | + | + | + | + | + | + | 10 |
| Salivary Glands           | + | + | + | + | + | + | + | + | + | + | 10 |
| Stomach, Forestomach      | + | + | + | + | + | + | + | + | + | + | 10 |
| Stomach, Glandular        | + | + | + | + | + | + | + | + | + | + | 10 |

**Cardiovascular System**

|              |   |   |   |   |   |   |   |   |   |   |    |
|--------------|---|---|---|---|---|---|---|---|---|---|----|
| Blood Vessel | + | + | + | + | + | + | + | + | + | + | 10 |
| Heart        | + | + | + | + | + | + | + | + | + | + | 10 |

**Endocrine System**

|                    |   |   |   |   |   |   |   |   |   |   |    |
|--------------------|---|---|---|---|---|---|---|---|---|---|----|
| Adrenal Cortex     | + | + | + | + | + | + | + | + | + | + | 10 |
| Adrenal Medulla    | + | + | + | + | + | + | + | + | + | + | 10 |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | 10 |

\* ..Total animals with tissue examined microscopically; Total animals with tumor

M ..Missing tissue

+ ..Tissue examined microscopically

A ..Autolysis precludes evaluation

X ..Lesion present

BLANK ..Not examined microscopically

I ..Insufficient tissue

Experiment Number: 99020-04

Test Type: 90-DAY

Route: Gavage

Species/Strain: Mouse/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: Pulegone

CAS Number: 89-82-7

Date Report Requested: 10/20/2014

Time Report Requested: 21:08:49

First Dose M/F: NA / NA

Lab: BAT

| B6C3F1 Mouse Female<br>150 MG/KG | DAY ON TEST | 0 0 0 0 0 0 0 0 0 0 |                     |                     |                     |                     |                     |                     |                     |         |  |
|----------------------------------|-------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------|--|
|                                  |             | 0 0 0 0 0 0 0 0 0 0 |                     |                     |                     |                     |                     |                     |                     |         |  |
|                                  | ANIMAL ID   | 9 9 9 9 9 9 9 9 9 9 | 5 5 5 5 5 5 5 5 5 5 | 0 0 0 0 0 0 0 0 0 0 | 0 0 0 0 0 0 0 0 0 0 | 1 1 1 1 1 1 1 1 1 1 | 1 1 1 1 1 1 1 1 1 1 | 1 1 1 1 1 1 1 1 1 2 | 1 2 3 4 5 6 7 8 9 0 | *TOTALS |  |

|                   |   |   |   |   |   |   |   |   |   |   |    |
|-------------------|---|---|---|---|---|---|---|---|---|---|----|
| Parathyroid Gland | + | + | + | + | + | + | M | + | M | + | 8  |
| Pituitary Gland   | + | + | + | + | + | + | + | + | + | + | 10 |
| Thyroid Gland     | + | + | + | + | + | + | + | + | + | + | 10 |

**General Body System**

NONE

**Genital System**

|                |   |   |   |   |   |   |   |   |   |   |    |
|----------------|---|---|---|---|---|---|---|---|---|---|----|
| Clitoral Gland | + | + | + | + | + | + | + | + | + | + | 10 |
| Ovary          | + | + | + | + | + | + | + | + | + | + | 10 |
| Uterus         | + | + | + | + | + | + | + | + | + | + | 10 |

**Hematopoietic System**

|                        |   |   |   |   |   |   |   |   |   |   |    |
|------------------------|---|---|---|---|---|---|---|---|---|---|----|
| Bone Marrow            | + | + | + | + | + | + | + | + | + | + | 10 |
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | 10 |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | + | + | 10 |
| Spleen                 | + | + | + | + | + | + | + | + | + | + | 10 |
| Thymus                 | + | + | + | + | + | + | + | + | + | + | 10 |

**Integumentary System**

|               |   |   |   |   |   |   |   |   |   |   |    |
|---------------|---|---|---|---|---|---|---|---|---|---|----|
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | 10 |
| Skin          | + | + | + | + | + | + | + | + | + | + | 10 |

**Musculoskeletal System**

|      |   |   |   |   |   |   |   |   |   |   |    |
|------|---|---|---|---|---|---|---|---|---|---|----|
| Bone | + | + | + | + | + | + | + | + | + | + | 10 |
|------|---|---|---|---|---|---|---|---|---|---|----|

\* ..Total animals with tissue examined microscopically; Total animals with tumor

M ..Missing tissue

+ ..Tissue examined microscopically

A ..Autolysis precludes evaluation

X ..Lesion present

BLANK ..Not examined microscopically

I ..Insufficient tissue

Experiment Number: 99020-04

Test Type: 90-DAY

Route: Gavage

Species/Strain: Mouse/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: Pulegone

CAS Number: 89-82-7

Date Report Requested: 10/20/2014

Time Report Requested: 21:08:49

First Dose M/F: NA / NA

Lab: BAT

| B6C3F1 Mouse Female<br>150 MG/KG | DAY ON TEST | 0 0 0 0 0 0 0 0 0 0   |                       |  |  |  |  |  |  |  |  |
|----------------------------------|-------------|-----------------------|-----------------------|--|--|--|--|--|--|--|--|
|                                  |             | 0 0 0 0 0 0 0 0 0 0   |                       |  |  |  |  |  |  |  |  |
|                                  | ANIMAL ID   | 5 5 5 5 5 5 5 5 5 5 5 | 0 0 0 0 0 0 0 0 0 0 0 |  |  |  |  |  |  |  |  |
|                                  |             | 1 1 1 1 1 1 1 1 1 1 1 | 1 1 1 1 1 1 1 1 1 1 1 |  |  |  |  |  |  |  |  |
|                                  |             | 1 1 1 1 1 1 1 1 1 1 2 | 1 2 3 4 5 6 7 8 9 0   |  |  |  |  |  |  |  |  |

\*TOTALS

Nervous System

Brain + + + + + + + + + + 10

Respiratory System

Lung + + + + + + + + + + 10

Nose + + + + + + + + + + 10

Trachea + + + + + + + + + + 10

Special Senses System

Eye + + + + + + + + + + 10

Harderian Gland + + + + + + + + + + 10

Urinary System

Kidney + + + + + + + + + + 10

Urinary Bladder + + + + + + + + + + 10

SYSTEMIC LESIONS

Multiple Organ + + + + + + + + + + 10

\*\* END OF REPORT \*\*

\* ..Total animals with tissue examined microscopically; Total animals with tumor

M ..Missing tissue

+ ..Tissue examined microscopically

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X ..Lesion present

BLANK ..Not examined microscopically

I ..Insufficient tissue